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(54) Title: CATALYST STRUCTURE FOR TREATING NOX CONTAINING EXHAUST GAS FROM A LEAN BURN ENGINE

(57) Abstract: A catalyst structure for treating exhaust gas from a lean burn internal combustion engine comprises a substrate mono-
lith comprising a lean NO_x catalyst (LNC) composition associated with at least one partial oxidation catalyst (POC), wherein the
LNC composition is selected from the group consisting of: (a) silver or a silver compound supported on alumina; and (b) at least one
metal selected from the group consisting of copper (Cu), iron (Fe), cobalt (Co) and cerium (Ce) supported on at least one zeolite, and
wherein the at least one POC is selected from the group consisting of: (i) a bulk oxide, a bulk composite oxide or a bulk mixed oxide
comprising at least one metal selected from the group consisting of manganese (Mn), iron (Fe), cerium (Ce) and praseodymium (Pr);
and (ii) at least one of rhodium (Rh) and palladium (Pd) disposed on at least one inorganic oxide support.



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